University of Agronomic Sciences and Veterinary Medicine of Bucharest
Faculty of Horticulture

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Phenology stages of several berries at Istrița fruit research and development station

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Introduction

Istrița fruit research and development station

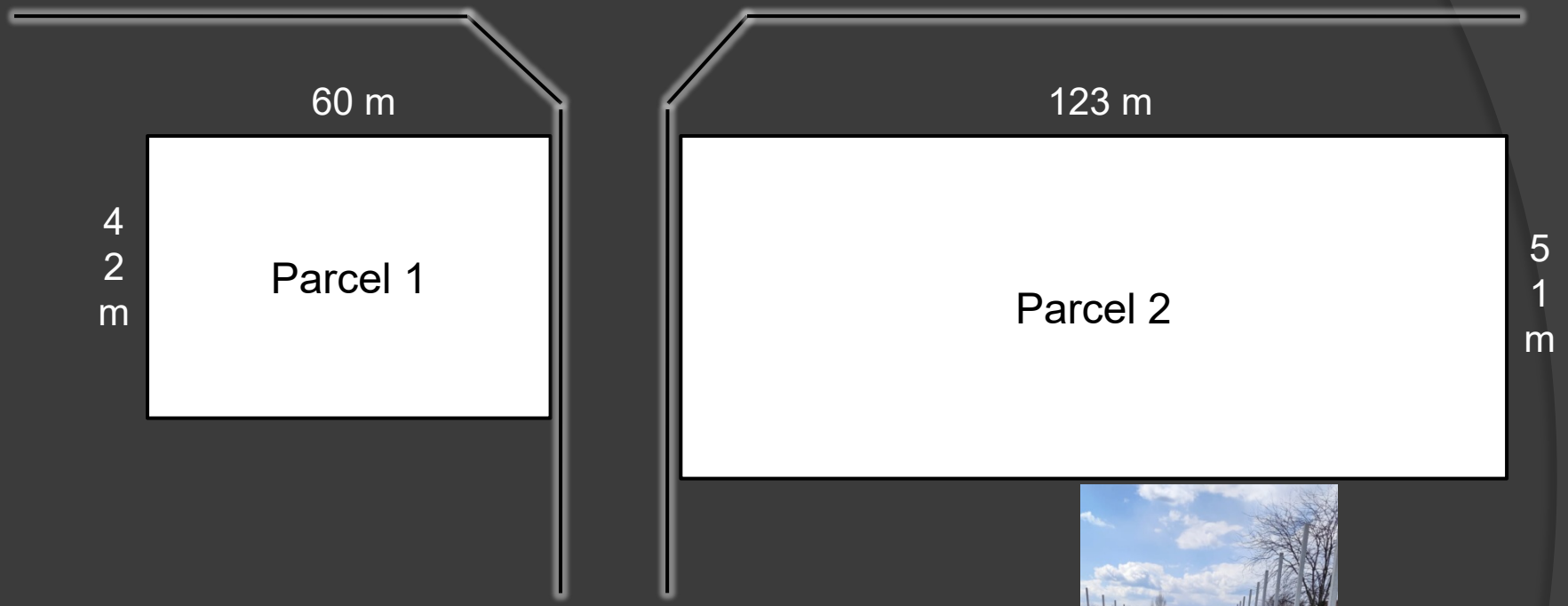
Founded in 1983, Istrita is one of the most prestigious nurseries in Romania. This distinguished lady of Romanian fruit growing has preserved throughout its richnes stories a living spirit, based on generations and generations of horticulturists who served her with many sacrifices and devotion.

In addition to the nursery and the apple, plum and cherry orchards for Istrita, a lot of new shrubs and fruit species has been set up, which aims to behave in the pedo-climatic conditions of the Istrita area.

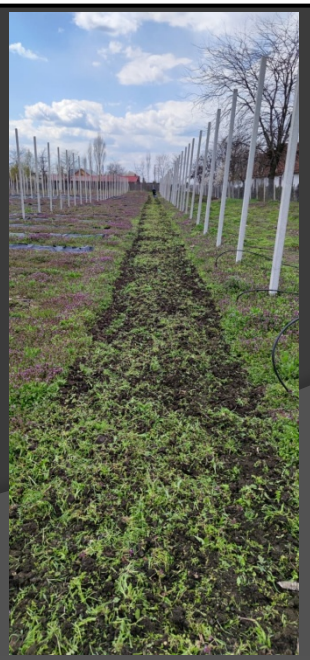
Materials and Methods

Location: Demonstration Field of shrubs within the Istrita Fruit Research and Development Station, from Buzau.

Materials and Methods



- The Demo field was established in december 2019
- Planting distance: 3-4,5 x 0,5-2,5 m
- Parcel 1: 15 row
- Parcel 2: 41 row
- Number of plants per row: 20-96
- The surface between the rows is kept grassy
- The rows are bilonate and covered with agrotextile
- Drip irrigation

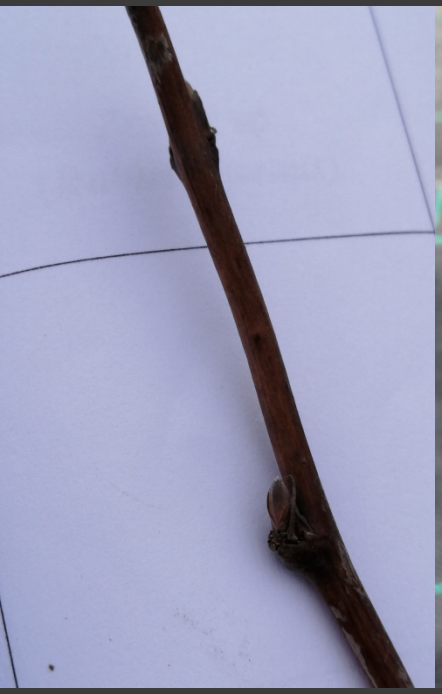


Materials and Methods

The Demo Field of shrubs and new fruit species within the Istrita Fruit Research and Development Station includes numerous species: blackberry, raspberry, fig, asimina, kiwi, kaky, sea buckthorn, goji, currant, blueberry, chokeberry, honeysuckle, persimmon, chinese date, pomegranate, aronia.

Results and discussions

Phenology stages: raspberry



Tulameen

Glen Ample

Glen Dee

Black Jewels

19 March

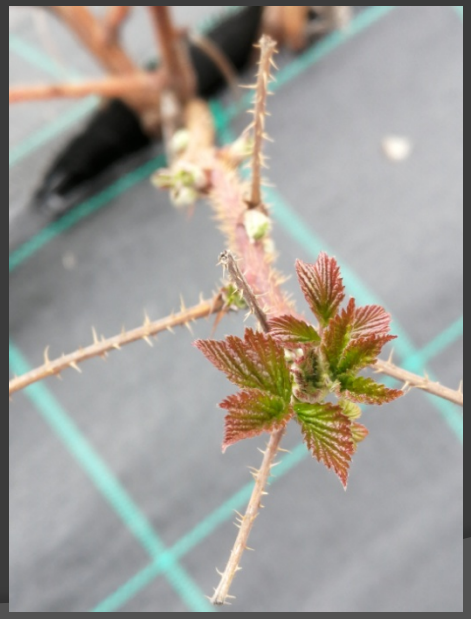
Algonquin

Phenomen

Heritage

19 march

Fall Gold



Citria

Polka

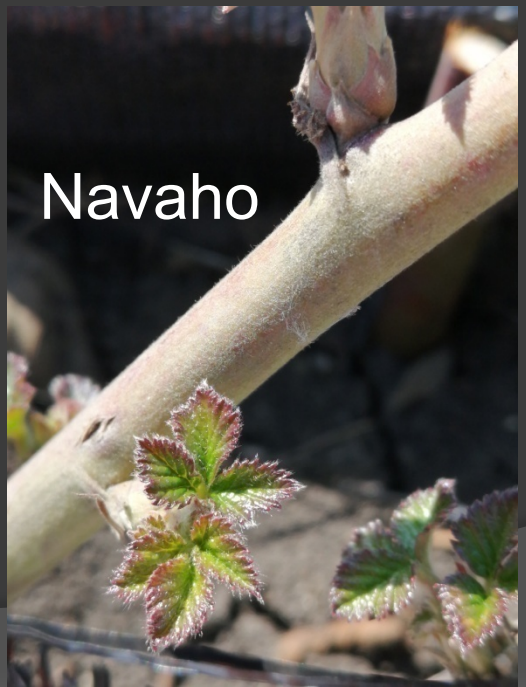
Blackberry phenology stages

Obsidian

29 march

Black Satin

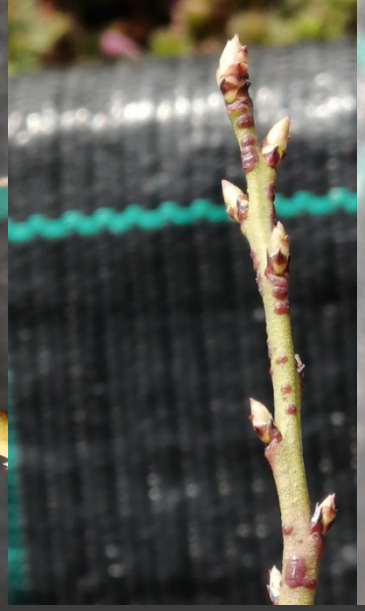
Chester



Thornfree

Phenology stages: Blueberry 29 march-1 april

Augusta



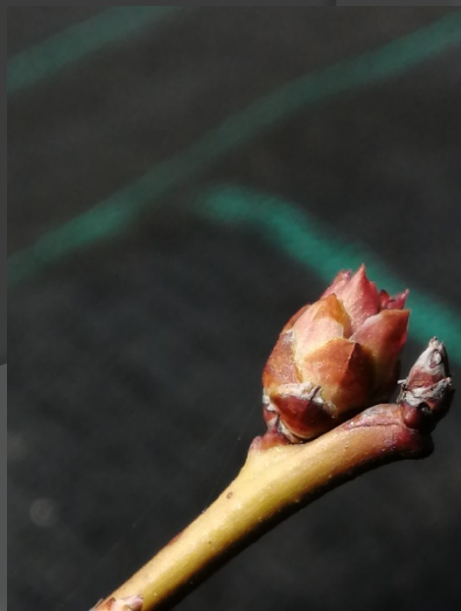
Aurora

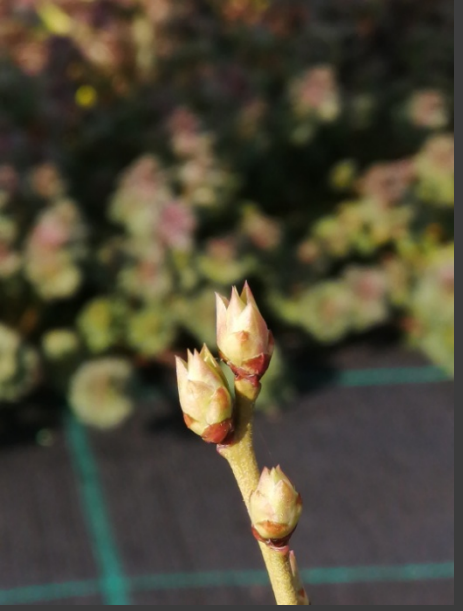
Azur

Berkeley

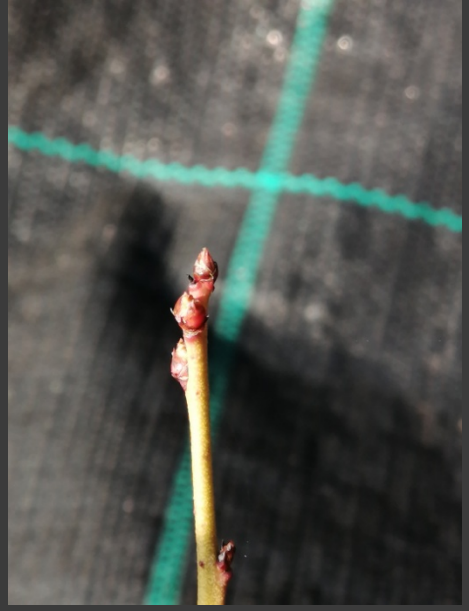
Bluecrop

Blueray

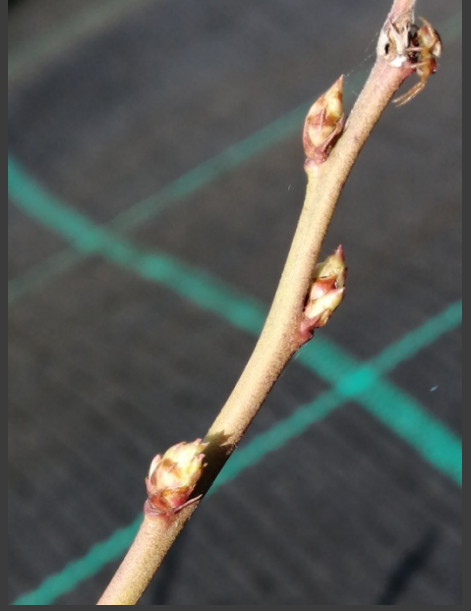




Bluetta



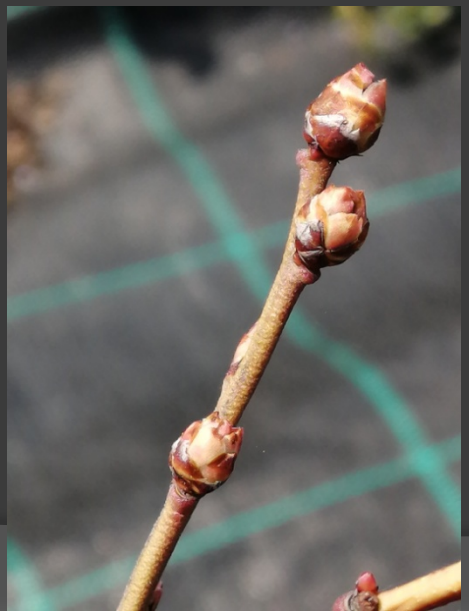
Bonus



Brigitta

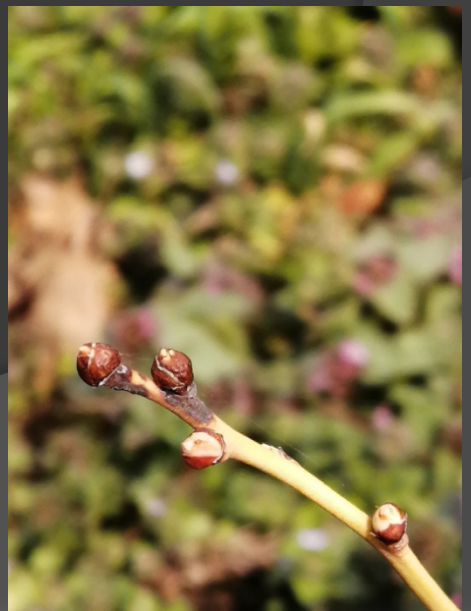
Chandler

Coville



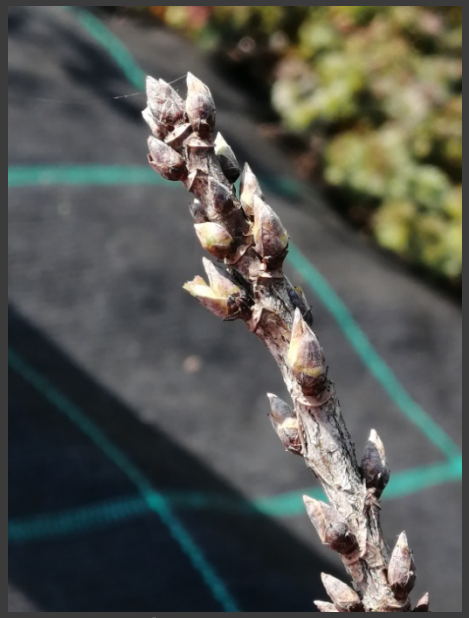
Darrow

Draper



Phenology stages: white, red and black currant

Hvid Hollandsk



Blanche

White Pearl

1 april

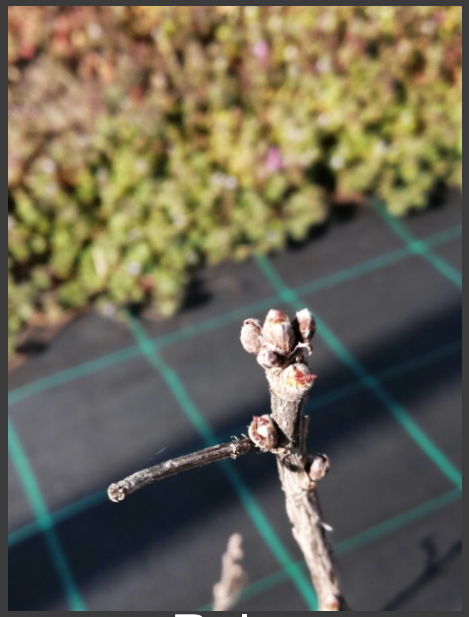
Bianca

White Versailles

Zitavia

1 April

Rovada



Rolan

Roodneus

Red Poll

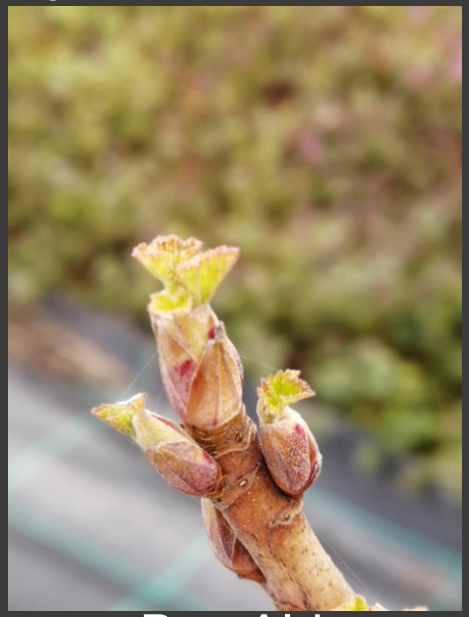
Junifer

Jonkeer von Tets

1-5 april

Narve Viking

Ben Tirran



Ben Alder

Ben Gairn

Ojebyn

Ben Finllay

Black Reword

Phenology stages: jostaberry

5 April

Nero B Record

Hinonnmaki Rod

Phenology stages: gooseberry

5 April

Captivator

Mucurines

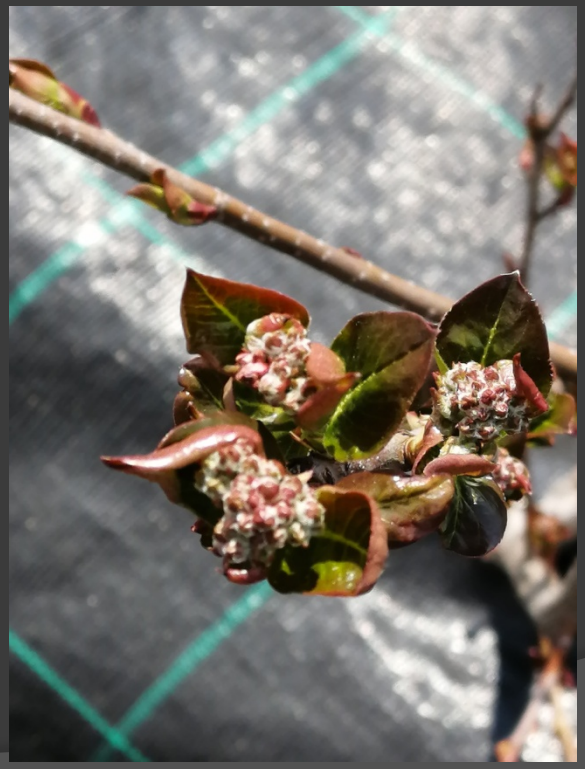
Reflamba

Phenology stages: aronia

5 April

Moara Domneasca

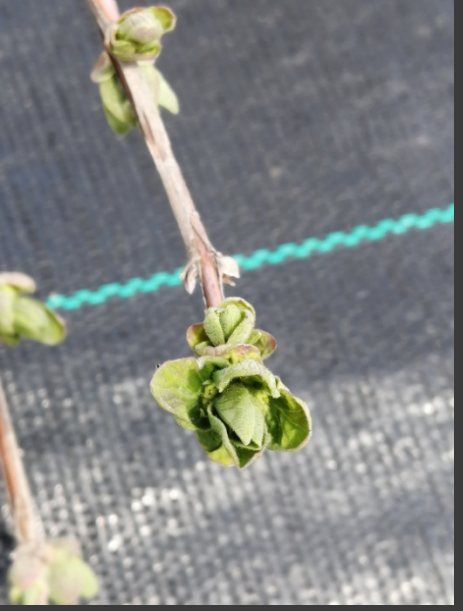
Viking



Nero

Phenology stages: blue honeysuckle

5 April



Blue Forest

Blue Pacific

L. caerulea

Blue Moon

Larisa

Rebeca

Ruth

AS

B1

B2

Phenology stages: goji

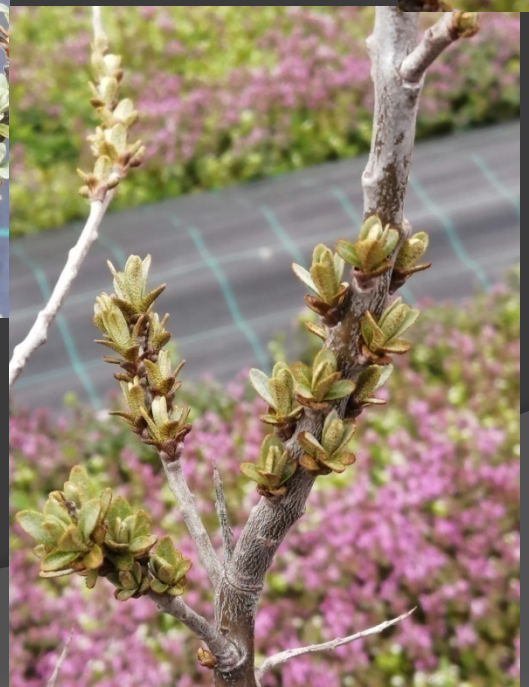
5 April

Phenology stages: sea buckthorn

5 April

Karl

Klara



Rus

Sol

Conclusions and recommendations

Species	Identification keys BBCH
Raspberry	00-15
Blackberry	09-15
Blueberry	01-03/51-52
White currant	01-07
Red currant	01-15
Black currant	03-15
Jostaberry	11-15
Gooseberry	10-15
Aronia	54-55
Blue honeysuckle	54-62
Goji	11-15
Sea buckthorn	11-15

Conclusions and recommendations

- Blue honeysuckle is the earliest species by the varieties Larisa, Rebeca and Ruth. Raspberry and white and red currant are the latest in the Tulameen, Blanche and Rovada varieties.
- Phenology of shrub species will continue along with other species in the crop such as apple, plum, and cherry.
- In the future we will try to correlate the climatic date with the phenological ones.

Thank you for your attention!